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1AP20 REG'D. U.S. PAT & TMDL 16 MAR 2006

PATENT

14045-1US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) Group Art Unit: to be assigned
REHM, Jason E. et al.)
Serial No.: to be assigned)
Filed: March 16, 2006)
For: Composite Polymer Microfluidic)
Control Device) Pasadena, California

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Attached hereto are copies of filed PTO-1449 forms submitted by the Applicant in the parent application, United States Patent Application 10/666,466. It is respectfully requested that these documents be considered by the Examiner. Applicant is not enclosing copies of the

"EXPRESS MAIL" mailing label number EV 629344193 US Date of Deposit March 16, 2006
I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Elaine Porter
Signature

ELAINE PORTER
Typed or Printed Name of Person Mailing Paper

AO/572181

IAP20 Rec'd 7670 16 MAR 2006

PATENT

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journal articles because they are believed to be in the parent application, Application Serial No. 10/666,466. However, if the Examiner cannot locate copies of the journal articles, then Applicant will submit them.

It is believed that this disclosure complies with the requirements of 37 C.F.R. 1.56 and the Manual of Patent Examining Procedures Section 707.05(b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

No fee is believed due for submitting this Information Disclosure Statement. However, the Commissioner is authorized to charge any fee believed due to Deposit Account 19-2090.

Respectfully submitted,

SHELDON & MAK

DATED: March 16, 2006

By 
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Reg. No. 50,139

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INFORMATION DISCLOSURE CITATION <i>(Use Several sheets if necessary)</i>	Docket Number 14045	Application Number to be assigned 1004572181
	Applicant(s) REHM, Jason E. et al.	
	Filing Date September 16, 2003	Group Art Unit to be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	3,661,166	05/09/1972	Dickason	137	269	
	B	5,334,310	08/02/1994	Frechet et al.	210	198.2	
	C	5,400,824	03/28/1995	Gschwendtner et al.	137	625.28	
	D	5,649,423	07/22/1997	Sniegowski	60	531	
	E	5,885,470	03/23/1999	Parce et al.	216	33	
	F	5,927,325	07/27/1999	Bensaoula et al.	137	599	
	G	6,076,555	06/20/2000	Hettinger	137	625.69	
	H	6,136,171	10/24/2000	Frazier et al.	204	450	
	I	6,136,212	10/24/2000	Mastrangelo et al.	216	49	
	J	6,238,538	05/29/2001	Parce et al.	204	600	
	K	6,279,606	08/28/2001	Hunnicutt et al.	137	543.19	
	L	6,283,440	09/04/2001	Evans	251	11	
	M	6,284,072	09/04/2001	Ryan et al.	156	59	
	N	6,290,685	09/18/2001	Insley et al.	604	317	
	O	6,293,308	09/25/2001	Hettinger	137	625.5	
	P	6,302,134	10/16/2001	Kellogg et al.	137	74	
	Q	6,408,878	06/25/2002	Unger et al.	137	597	
	R	6,488,872	12/03/2002	Beebe et al.	264	31	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	N
	S							
	T							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	U	Beebe, David J. et al., "Functional hydrogel structures for autonomous flow control inside microfluidic channels," <u>Nature</u> , 404:588-590 (April 2000)
	V	Lungu, Adrian et al., "Solid state studies on the effect of fillers on the mechanical behaviour of photocured composites," <u>Polymer</u> , 39(20):4757-4763 (1998)
	W	Provin, Christophe et al., "Complex Ceramic-Polymer Composite Microparts Made by Microstereolithography," <u>IEEE</u> , 25(1):59-63 January (2002)
	X	Rehm, J.E. et al, "Mobile Flow Control Elements For High-Pressure Micro-Analytical Systems Fabricated Using <i>In-Situ</i> Polymerization," <u>uTAS</u> , 227-229 (October 2001)

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <small>(Use Several sheets if necessary)</small>	Docket Number 14045		Application Number to be assigned 10/572181
	Applicant(s) REHM, Jason E. et al.		
	Filing Date September 16, 2003		Group Art Unit to be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	6,523,560	02/25/2003	Williams et al.	137	14	
	B	6,533,366	03/18/2003	Barron et al.	303	113.1	
	C	6,540,203	04/01/2003	Hunnicutt	251	26	
	D	2001/0008212	07/19/2001	Shepodd et al.	204	451	
	E	2001/0055812	12/27/2001	Mian et al.	436	45	
	F	2002/0017487	02/14/2002	Huang	210	635	
	J	2002/0022261	02/21/2002	Anderson et al.	435	287.2	
	K	2002/0025529	02/28/2002	Quake et al.	435	6	
	L	2002/0054252	05/09/2002	Ishii et al.	349	106	
	M	2002/0058332	05/16/2002	Quake et al.	435	288.3	
	N	2002/0067992	06/06/2002	Bridger et al.	417	53	
	O	2002/0170668	11/21/2002	Beebe et al.	156	307.3	
	P	2002/0194909	12/26/2002	Hasselbrink, Jr. et al.	73	253	
	Q	2003/0015682	01/23/2003	Killeen et al.	251	368	
	R	2003/0057391	03/27/2003	Krulevitch et al.	251	11	
	S	2003/0062734	04/03/2003	Faris	294	64.1	

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							YES	N
	T							
	U							

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V	Shoji, Shuchi et al., "Microflow devices and systems," <u>J. Micromech. Microeng.</u> , 4:157-171 (1994)
W	Unger, Marc A. et al., "Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography," <u>Science</u> , 288:113-116 (April 2000)
X	
Y	
Z	

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Docket Number 14045	Application Number 10/666,466
	Applicant(s)	
	Filing Date	Group Art Unit to be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,391,587	02/21/1995	Wu	522	40	
	B	2002/0198282	12/26/2002	Jia	523	115	
	C	2003/0055193	03/20/2003	Lichtenhan et al.	528	10	
	D	2004/0052929	03/18/2004	Kirby et al.	427	58	
	E	2004/0123658	07/01/2004	Kirby et al.	73	253	
	F						
	G						
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	I						

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						YES	N
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N							
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P							
Q							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

R	Priola et al., <i>Macromolecular Chemistry and Physics</i> , 198:(6):1893-1907 (1997)
S	Rolland et al., <i>J. Am. Chem. Soc.</i> ; 126:2322-2323 (2004)
T	Tonelli et al., <i>J. Applied Polymer Science</i> , 59:311-327 (1996)
U	
V	
W	

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	Applicant(s) REHM, Jason E. et al.	
	Filing Date September 16, 2003	Group Art Unit 3764

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	2004/0079424	04/29/2004	Takeda et al.	137	624.13	
	B	6,782,746	08/31/2004	Hasselbrink, Jr. et al.	73	253	
	C						
	D						
	E						
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	I						

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							YES	N
	J							
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	L							
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	O							
	P							
	Q							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

R	International Search Report for PCT/US04/30202 dated August 29, 2005
S	
T	
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